

Symposium on West Hawaii's Marine Ecosystem: Bridging the Gap Between Science and Management

AGENDA – December 5, 2017

Time	Name	Title
8:15 – 9:00		Registration
9:00	Jamison Gove	Welcome and Introductory Remarks
9:10	Michael Seki	Implementing Ecosystem-Based Management: A Conceptual Framework for Providing Science Advice
9:30	Bruce Anderson	Aquatic Resource Management Planning at DAR
9:40	Anne Chung	Introduction to 30 by 30: Developing a Statewide Marine Management Plan to Effectively Manage 30% of Nearshore Waters by 2030
10:00	William Walsh	Controversy, Conflict & Conservation – The Effectiveness of an MPA Network in Sustainably Managing the West Hawai'i Aquarium Fishery
10:15	Mary Donovan	Hawai'i Monitoring and Reporting Collaborative (HIMARC), Science to Support Effectively Managing Hawai'i's Nearshore Marine Resources
10:30	Kaylyn McCoy	Estimating Nearshore Fisheries Production from the Main Hawaiian Islands Using Commercial and Non-Commercial Sectors
10:45		Break
11:00	Sheila McKenna	Coral Reefs of Kaloko-Honokihau National Historical Park in Hawai'i: Before, During, and After the 2015 Coral Bleaching Event.
11:15	Lindsey Kramer	Are coral reefs recovering in West Hawai'i? Benthic Status and Trends at Long-Term Monitoring Sites.
11:30	Ross Martin	Recruitment Dynamics of Scleractinian Corals along the Kona Coast of the Big Island of Hawai'i
11:45	Greg Asner	High-Resolution Mapping of Coral and Algal Cover Along Big Island Reefs
12:00	Joey Lecky	Mapping Anthropogenic Stress over Time and Space for the Nearshore Environment in West Hawai'i
12:15		Lunch
1:30	Rusty Brainard	Defining Drivers of Exposure and Sensitivity of Unprecedented Mass Coral Bleaching in the Main Hawaiian Islands
1:45	Jamison Gove	Assessing Natural Versus Human Drivers of Coral Reef Communities in West Hawai'i
2:00	Eric Conklin	Relative Resilience of Coral Reefs in the West Hawai'i Habitat Focus Area: Recent Bleaching Impacts and Potential Management Actions
2:15	Jeffrey Polovina	West Hawai'i Sea Surface Temperature Dynamics – Past, Future, and Relevance to Reefs
2:30	Jeffrey Maynard	Climate Change Vulnerability Assessments for Marine and Coastal Habitats in West Hawai'i
2:45	Chad Wiggins	Sea Level Rise as a Catalyst for Coastal Conservation Action in West Hawai'i.
3:00		Break
3:15	Mariska Weijerman	Evaluating Management Strategies to Optimize Ecosystem Services Provided by Coral Reefs
3:30	Mark Hixon	Coral Resilience Module Experiment (CRoME): Enhancing Herbivores to Protect Corals
3:45	Donald Kobayashi	Extreme Dispersal Events: How El Niño Events Affect Reef Fish Population Connectivity in the West Hawai'i Region
4:00	Anna Neuheimer	Life History Strategies Shape Larval Reef Fish Settlement Success Off West Hawai'i Island
4:15	Short Film	Scientific Seas Presents: Science of Slicks
4:25	Jonathan Whitney	Surface Slicks as Important Nursery Habitat for Larval Fish in West Hawai'i
4:40	Katharine Smith	Physical Drivers of West Hawai'i's Surface Slicks and Their Effects on Larval Fish
5:00 – 6:30	Information Booth Session	Meet local organizations making positive contributions to science, conservation and management related to the marine ecosystem in West Hawai'i

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AGENDA – December 6, 2017

Time	Name	Title
8:15 - 9:00		Registration
9:00	Fiona Langenberger	Coastal and Ocean Observations and Forecasts to Support Place-based Science and Management
9:15	Steven Colbert	Pelekane Bay Water Quality Buoy: A New Resource for Coastal Ocean Management
9:30	Kim Falinski	Linking Wastewater and Fertilizer Inputs to Coral Reef Health: Integrating Monitoring and Modeling Approaches for Conservation Planning
9:45	Jazmine Panelo	Spatial Distribution and Sources of Land-Based Dissolved Inorganic Nutrients at Coral Reefs in South Kohala
10:00	Devon Aguiar	Sewage Pollution Source Tracking on South Kohala Reefs
10:15	Tracey Wiegner	Identifying Locations of Sewage Pollution within Puako's Watershed and Comparison of On-Site Sewage Disposal Systems for Management Actions
10:30		Break
10:45	Shannon Ruseborn	West Hawai'i Habitat Focus Area Partnership: Science, Restoration, Conservation and Community Action
11:00	Mary Donovan	Working Together to Understand, Quantify and Manage for Tipping Points on the Reefs of Hawai'i
11:15	Eva Schemmel	An Ocean Health Index for West Hawai'i
11:30	Arielle Levine	Monitoring Human Behavior and Perceptions in Hawai'i Through NOAA's National Coral Reef Monitoring Program (NCRMP)
11:45	Mia Iwane	Exploring Oceanic Whitetip Shark Interactions in Hawaii's Small-Scale Fisheries Through Fisher Engagement
12:00	Rebecca Ingram	Revealing Complex Social-Ecological Interactions Through Participatory Modeling in Hawai'i
12:15		Lunch Interactive Session: Working together to represent communities within the West Hawai'i IEA
1:45	Melanie Hutchinson	Movement Behavior and Habitat Use of Pelagic Predators in the Waters Surrounding West Hawai'i
2:00	Jeffrey Drazen	Persistent and Dense Concentrations of Micronekton Along the Kona Coastline: A Potential Food Resource for Marine Mammals and Pelagic Fishes
2:15	Zach Caldwell	An Assessment of Mesophotic Reefs in Hawai'i as Fishing and Climate Change Refugia
2:30	Frank Parrish	In-situ Measurements of Environmental Variables at Keahole and other Hawaiian Deep Sea Coral Beds
2:45	Keolohilani Lopes	Effects of Open Circuit SCUBA Exhaust on Reef Fish Surveys
3:00		Break
3:15	Syd Kraul	Reef Fish Aquaculture in Kona
3:30	Bill Coney	Rebuilding Our Coral Reefs One Polyp at a Time
3:45	Julien Stevens	Marine Aquaculture Opportunities in West Hawai'i
4:00	Rebecca Most & Ku'ulei Keakealani	Revitalization of the Fishpond of Kiholo
4:30	Jamison Gove	Closing Remarks